



Title: OUT-OF-POSITION FRICTION STIR WELDING OF  
HIGH MELTING TEMPERATURE ALLOYS

Applicant: Steel et al.

Application No.: 10/769,551

1/14

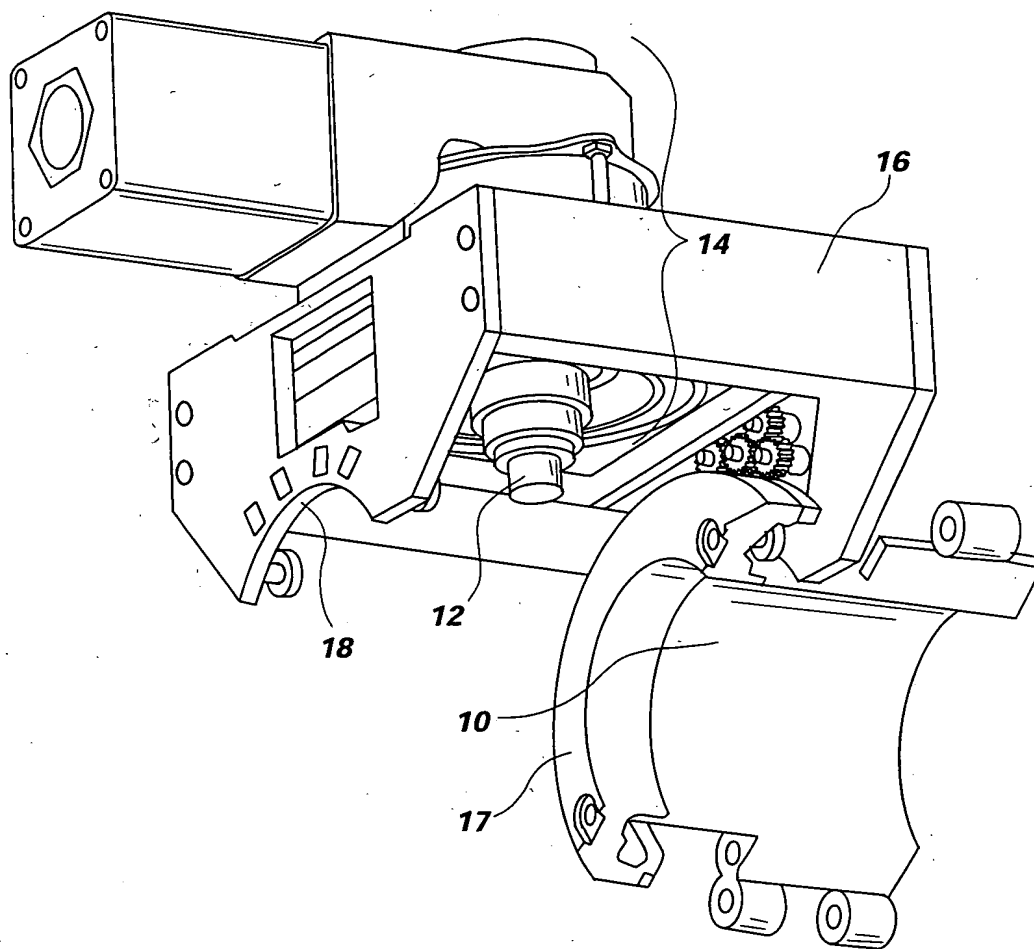
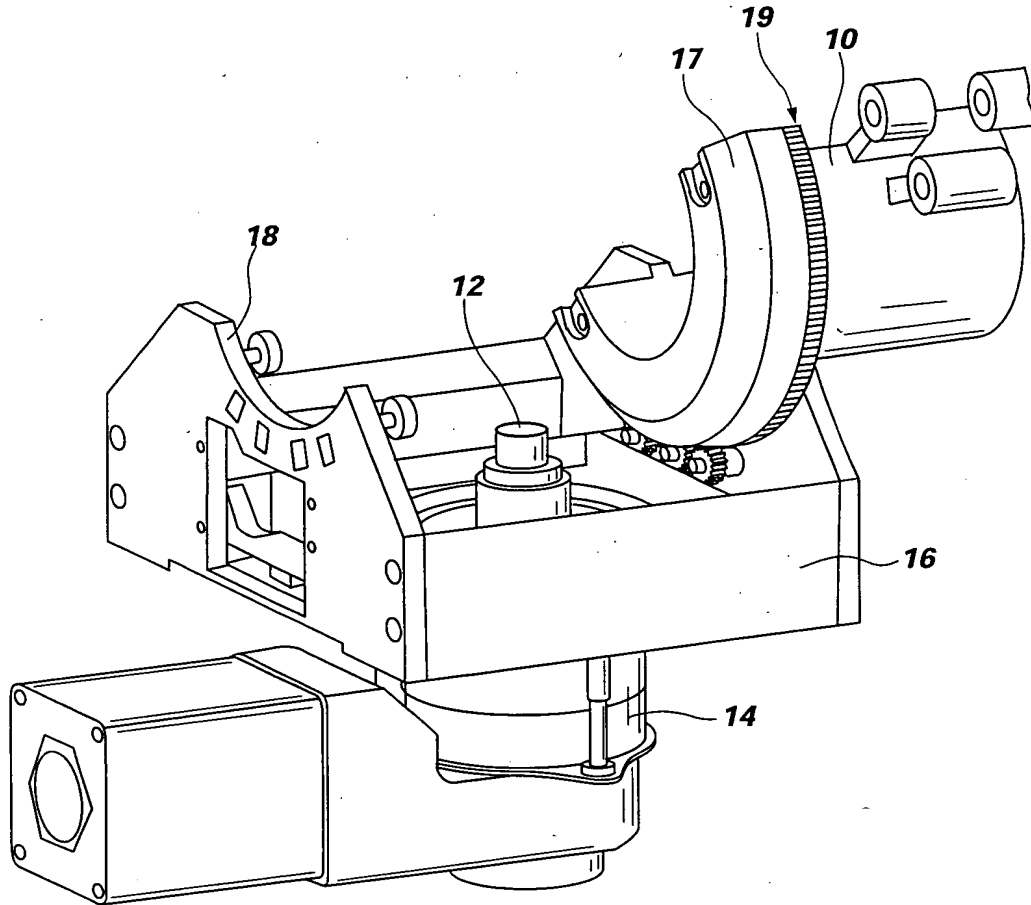
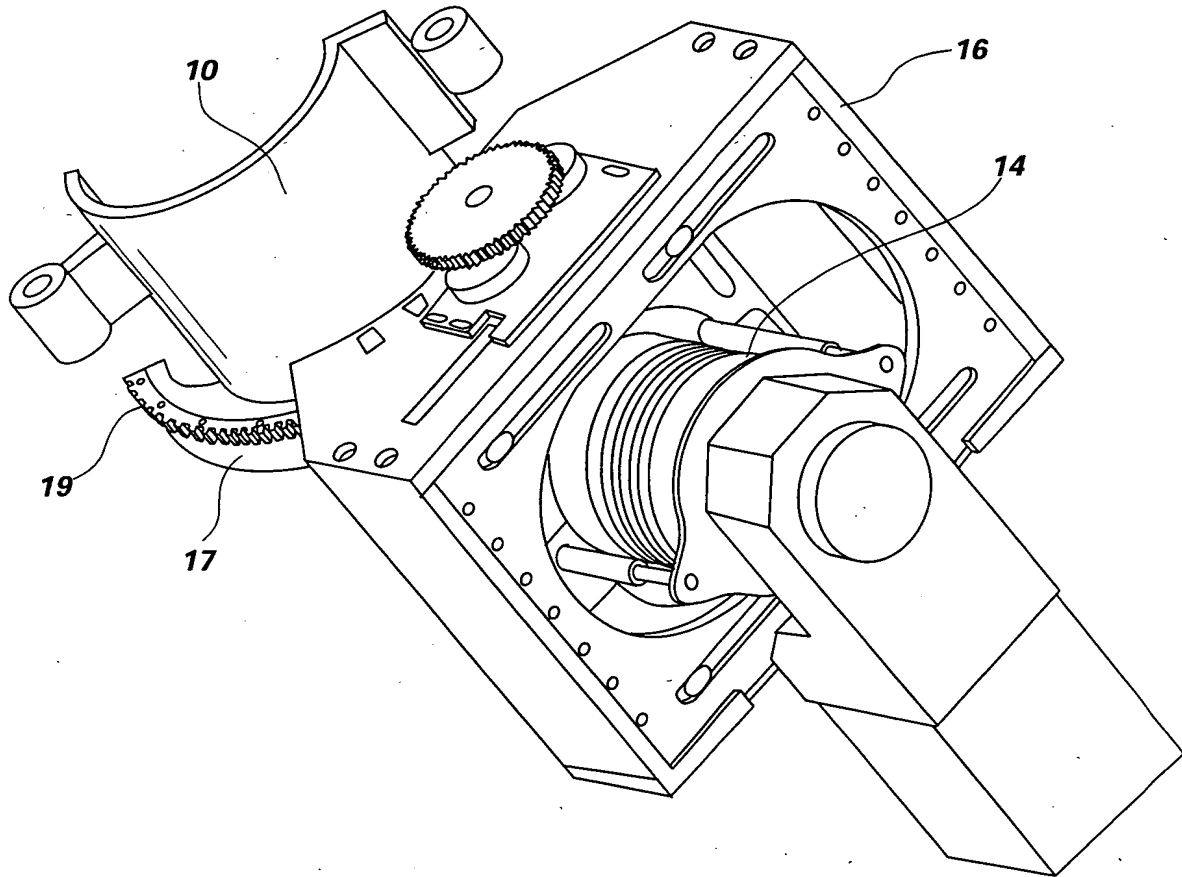


FIG. 1

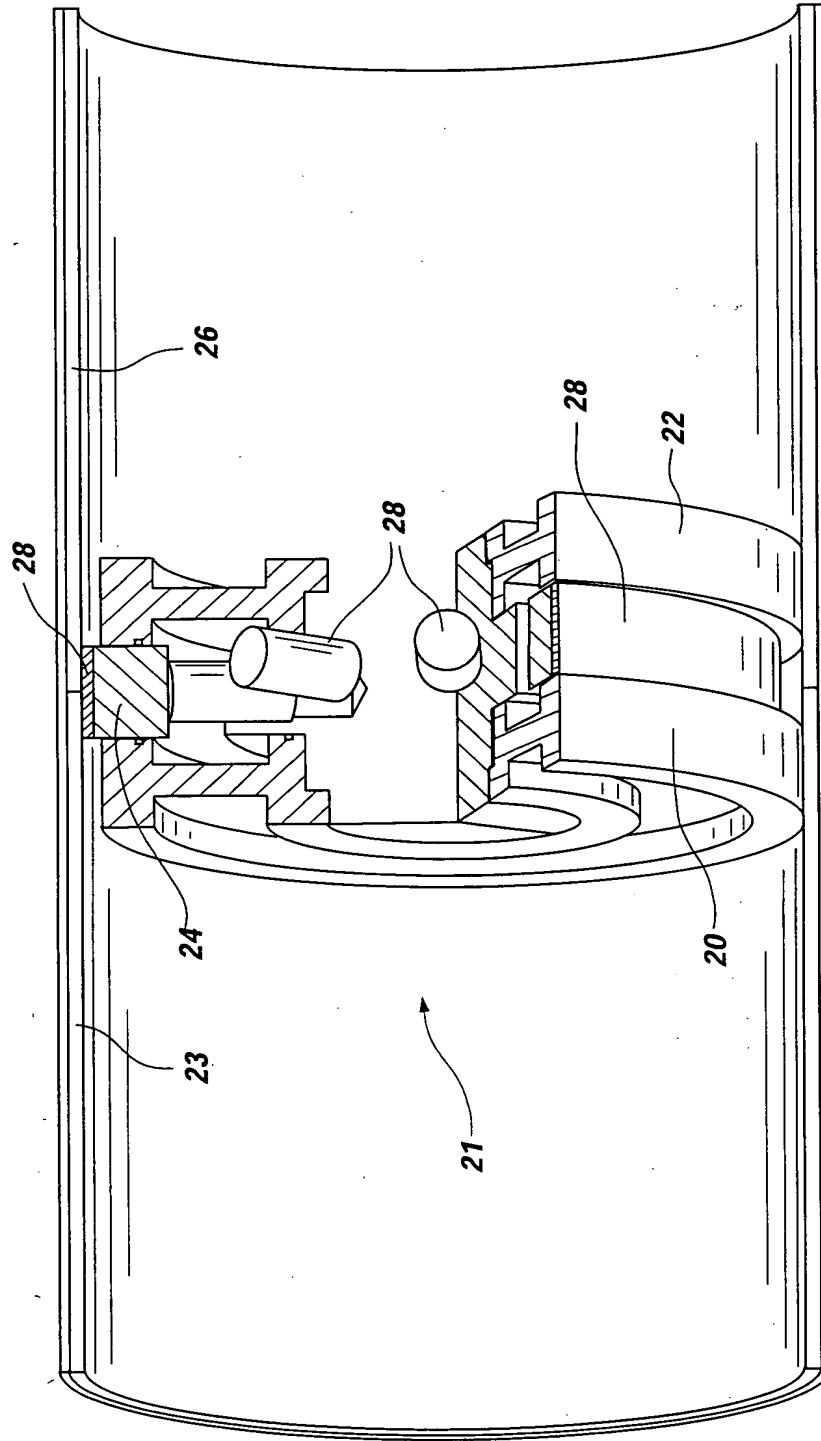
+



**FIG. 2**



**FIG. 3**



Title: OUT-OF-POSITION FRICTION STIR WELDING OF  
HIGH MELTING TEMPERATURE ALLOYS

Applicant: Steel et al.

Application No.: 10/769,551

5/14

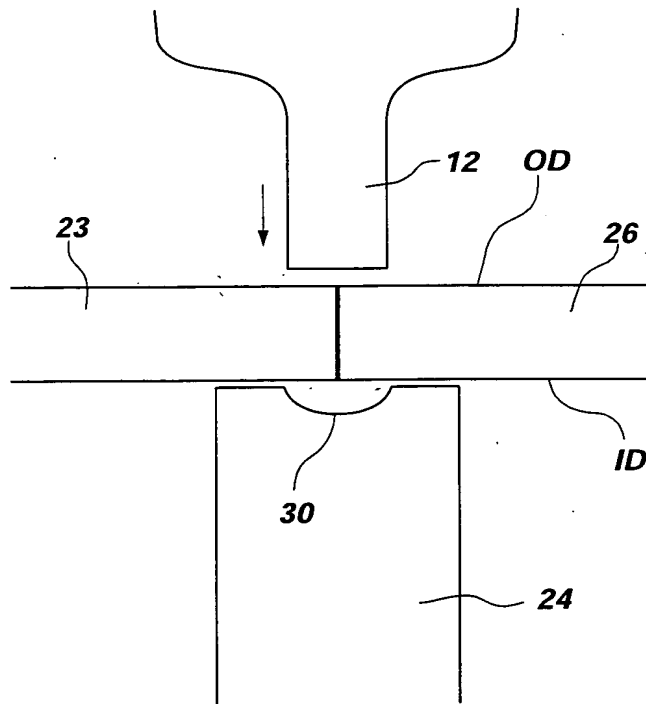


FIG. 5

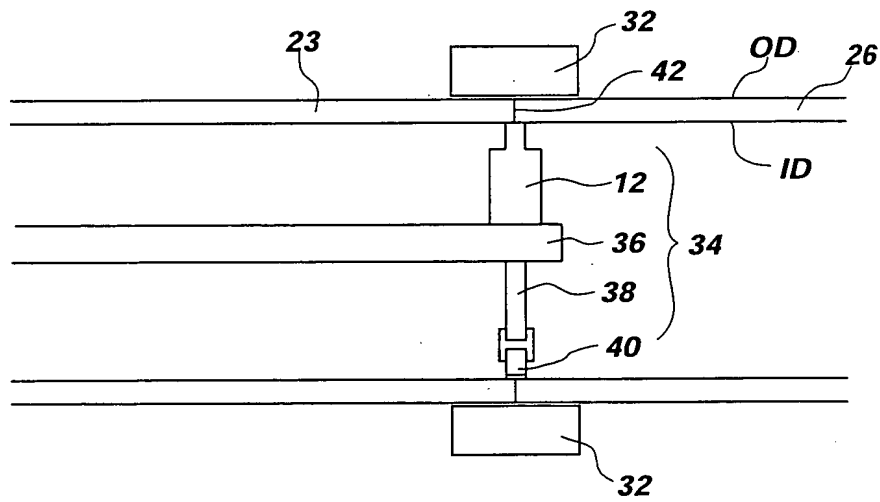


FIG. 6

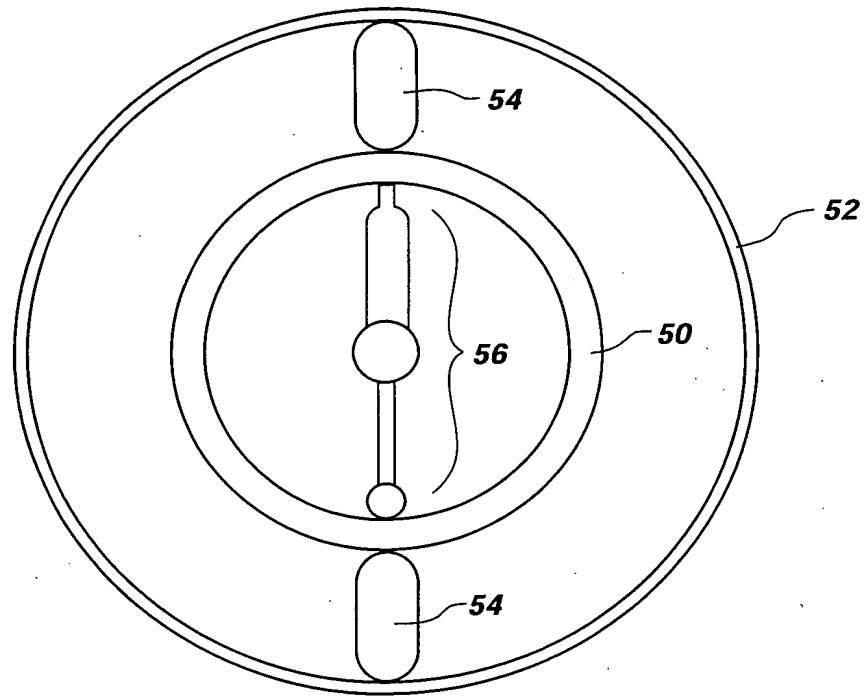


FIG. 7

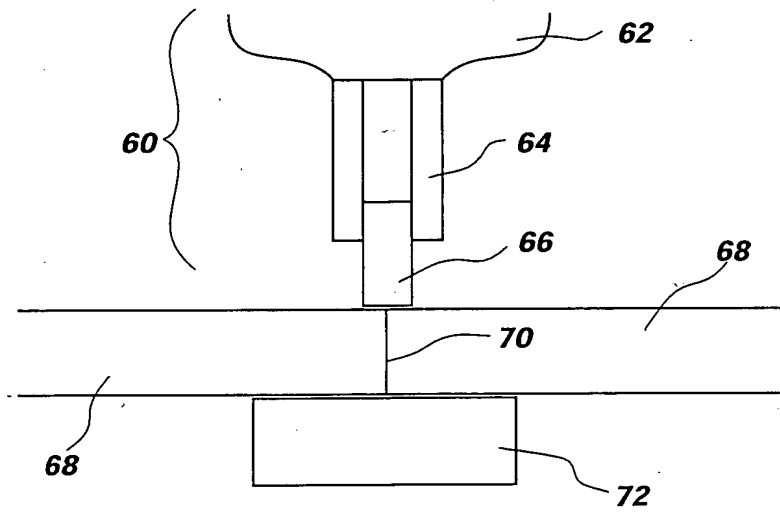
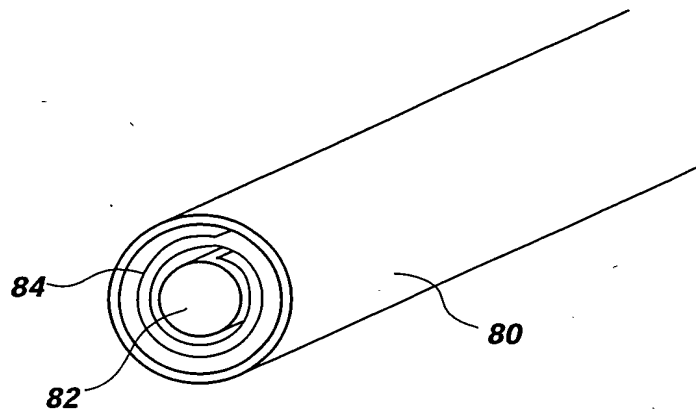
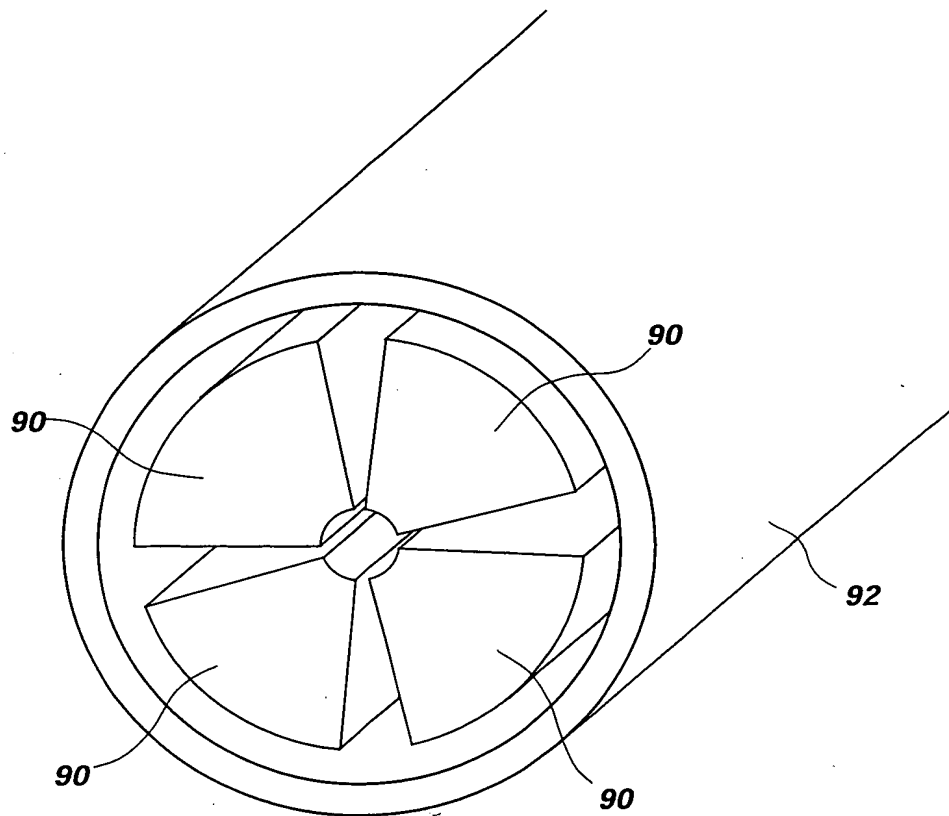


FIG. 8



**FIG. 9**



**FIG. 10**

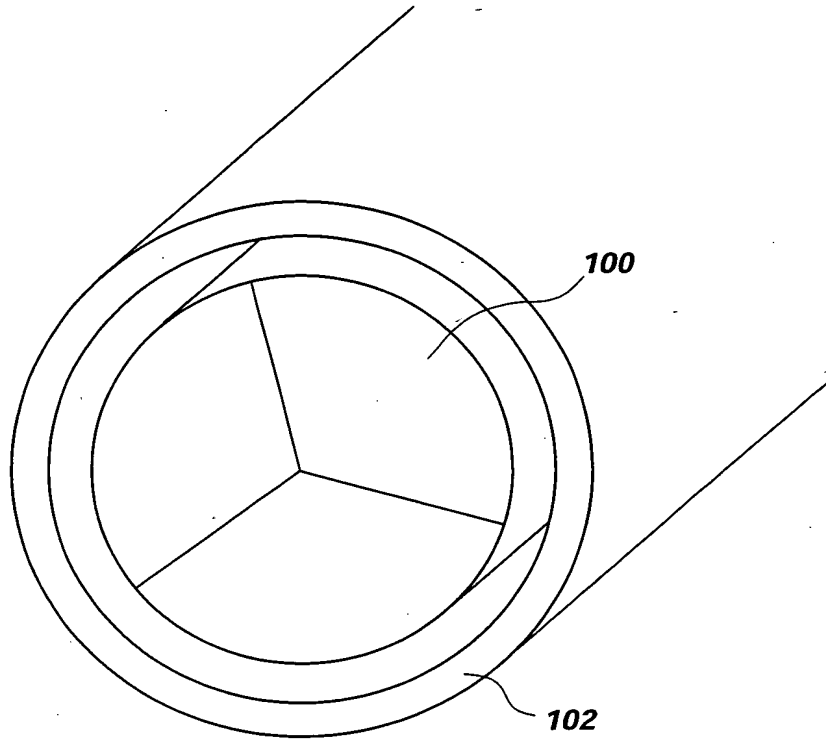


FIG. 11

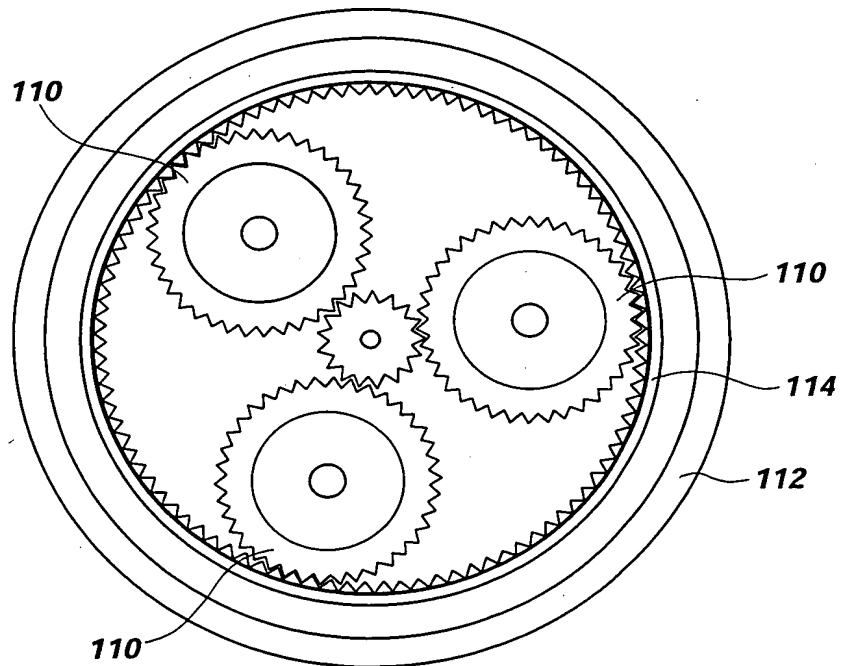
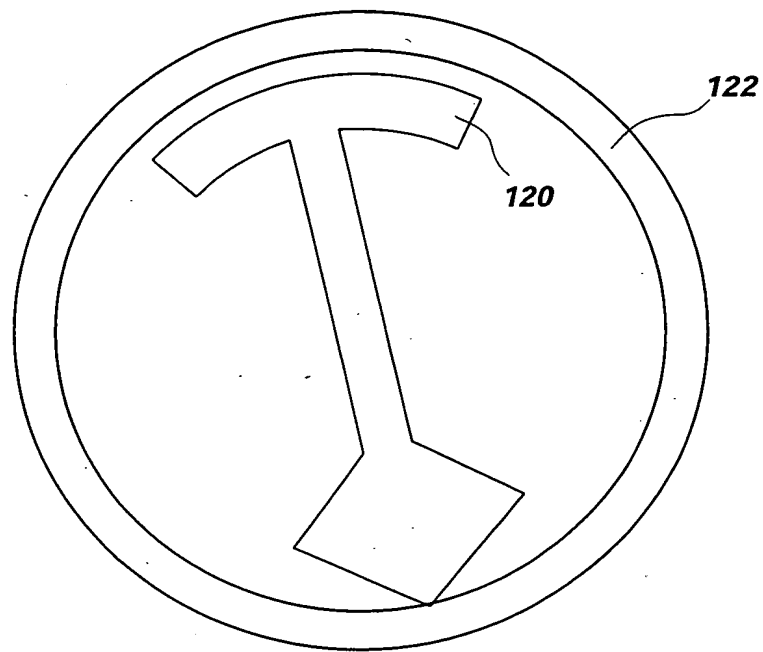
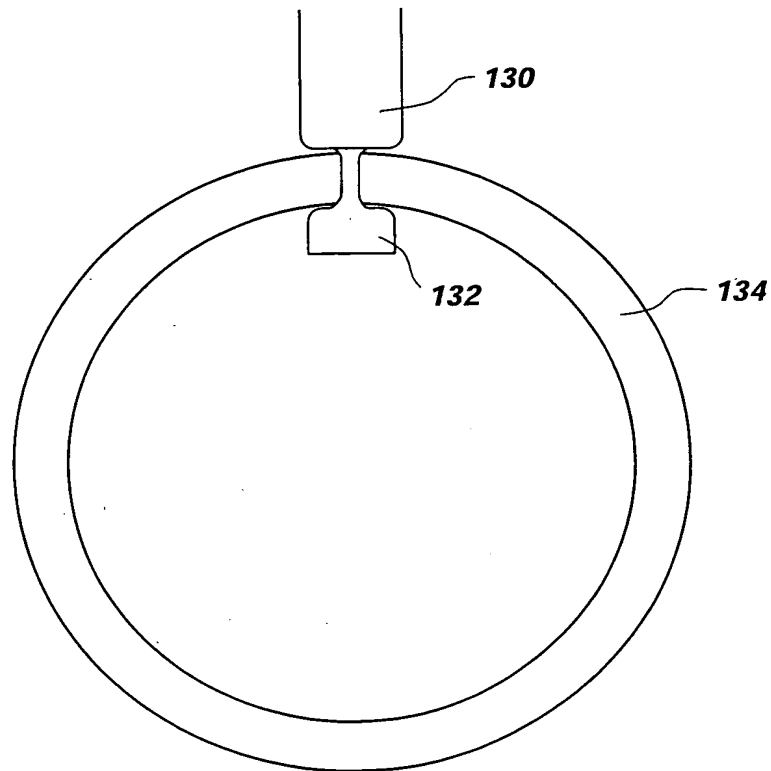


FIG. 12

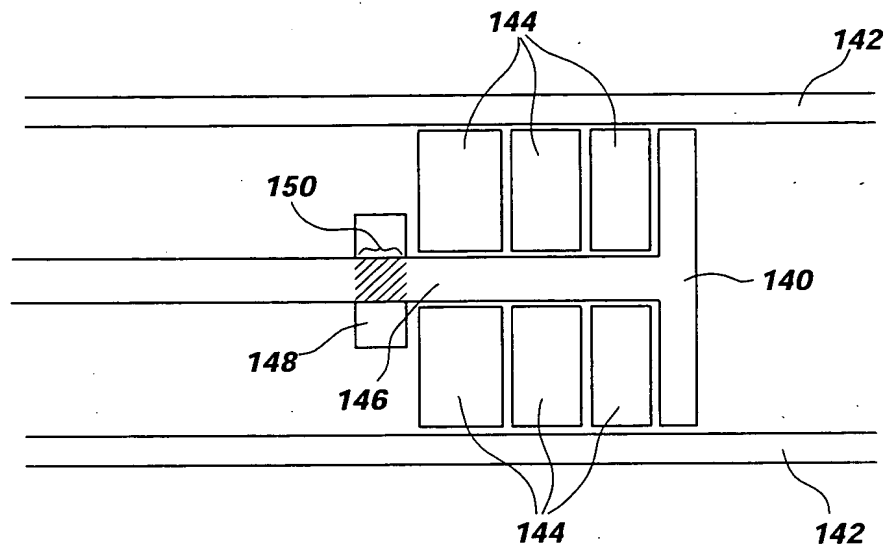




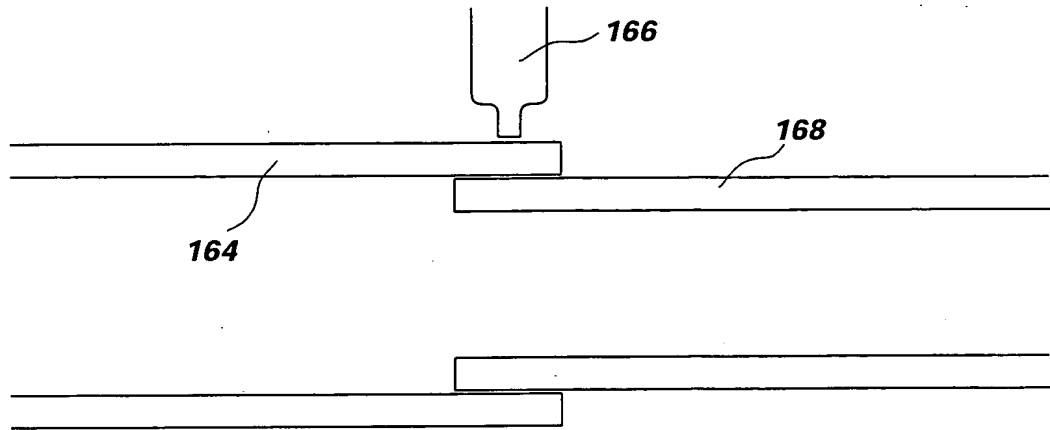
**FIG. 13**



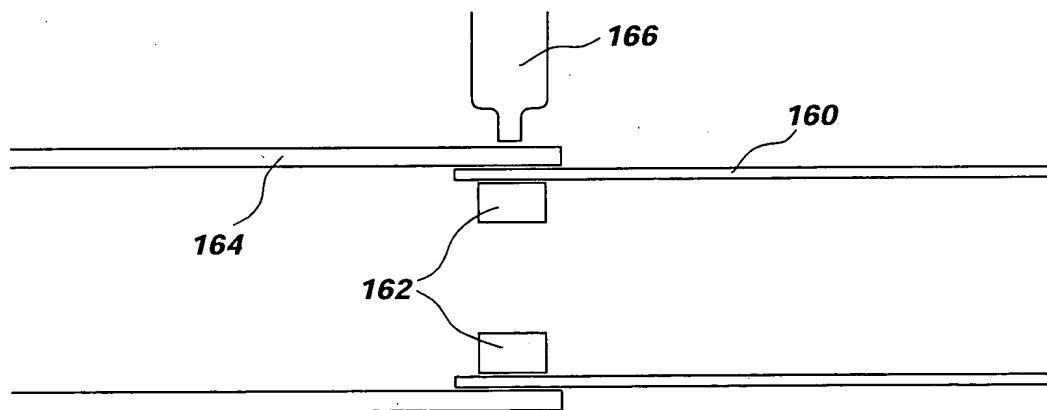
**FIG. 14**



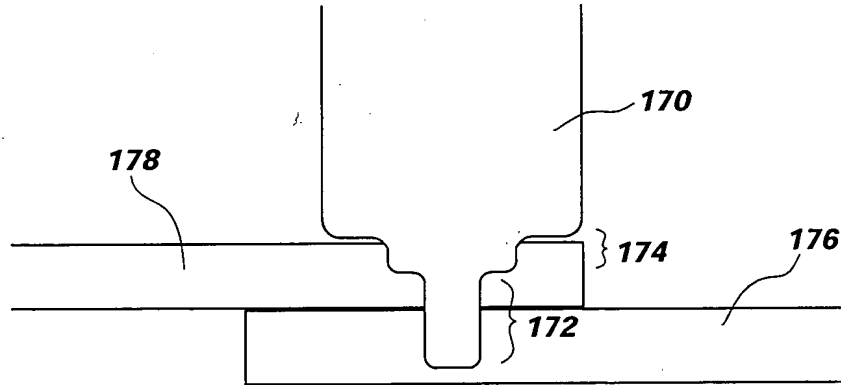
**FIG. 15**



**FIG. 16B**



**FIG. 16A**



**FIG. 16C**

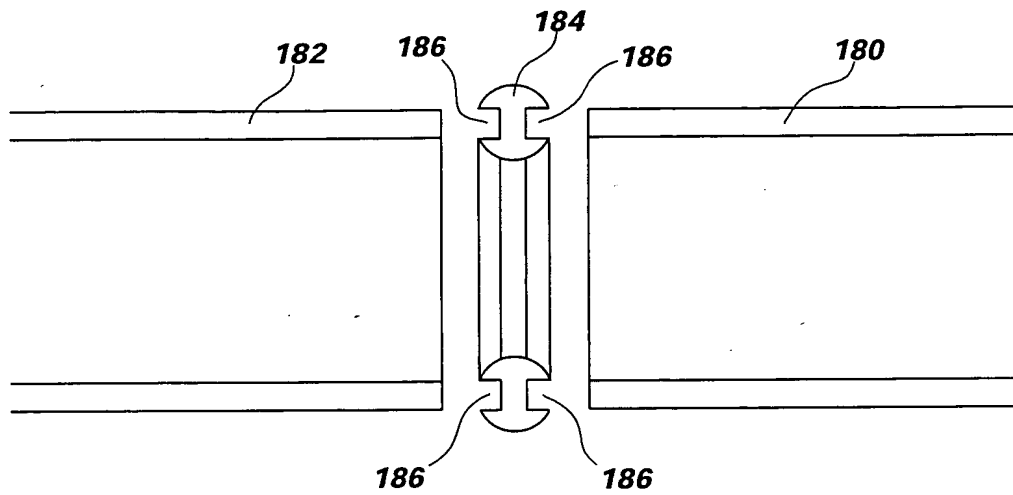


FIG. 17

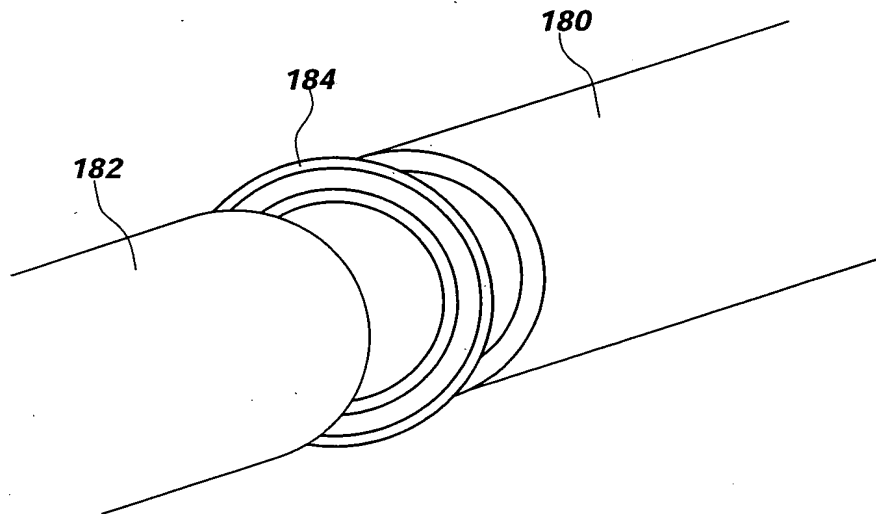
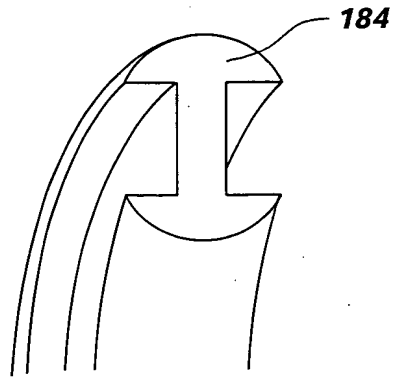
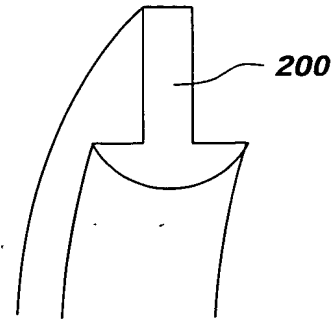


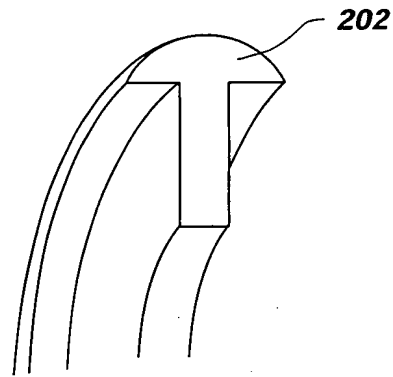
FIG. 18



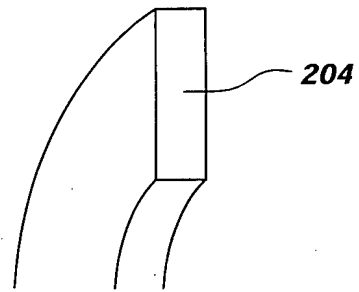
**FIG. 19**



**FIG. 20**



**FIG. 21**



**FIG. 22**